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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/809,081	03/16/2001	Toyoo lida	084234/0103 5543	
22428	7590 06/30/2004 . EXAMI		NER	
	ND LARDNER	SENFI, BEHROOZ M		
SUITE 500 3000 K STREET NW			ART UNIT	PAPER NUMBER
WASHING	TON, DC 20007	2613	$\sim$	
			DATE MAILED: 06/30/2004	·

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	09/809,081	IIDA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Behrooz Senfi	2613			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 04 Ju	<u>ıne 2004</u> .				
,	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)  Claim(s) 1-4 is/are pending in the application.  4a) Of the above claim(s) is/are withdray  5)  Claim(s) is/are allowed.  6)  Claim(s) 1-4 is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/or					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119		•			
•	priority under 25 H S C & 110/2	) (d) or (f)			
<ul> <li>12) Acknowledgment is made of a claim for foreign</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents</li> <li>2. Certified copies of the priority documents</li> <li>3. Copies of the certified copies of the priority application from the International Bureau</li> <li>* See the attached detailed Office action for a list</li> </ul>	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.					
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)</li> <li>Paper No(s)/Mail Date 4.</li> </ul>		Patent Application (PTO-152)			

Application/Control Number: 09/809,081

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## **DETAILED ACTION**

1. Applicant response to restriction (paper no. 6, dated 6/4/2004) amends independent claim 3 and made it dependent to claim 1.

## Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tao et al (US 6,271,520) in view of Smith et al (US 5,822,542).

Regarding claims 1 and 4, Tao '520 teaches, "image recording apparatus for use in an inspection system which includes imaging means for imaging operations of manufacturing equipment in a production line and inspection means arranged down-stream from the manufacturing equipment to inspect products processed by the manufacturing equipment" (i.e. figs. 10 – 12), and "storing image data from the imaging means" (fig. 10, memory and CPU). Fig. 10 of Tao '520 teaches Ram image 58, which stores the images captured from the camera and the processor for reading out the data from Ram. But fails to explicitly teach the process of "reading out any desired interval from the stored image data ......". However such features as claimed are well known and used in the prior art of the record as evidenced by Smith '542 (i.e. fig. 2, col. 40, lines 59 – 67). Taking the combined teaching of Tao '520 and Smith '542, it would have

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been obvious to one skilled in the art at the time of the invention to modify the image processing of Tao as taught by Smith, which would allow greater storage capacity for data processing of plurality of cameras.

Regarding claim 2, combination of Tao '520 and Smith '542 teaches, "temporary storage portion stores data in a manner related to the order in which such data was received ......" (i.e. fig. 10 of Tao).

Regarding claim 3, combination of Tao '520 and Smith '542 teaches, "frame creating means which carries out a prescribed supplemental process based on one field ......" (i.e. col. 26, lines 30+ and col. 47, lines 50+ of Smith).

## Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Behrooz Senfi** whose telephone number is (703)305-0132.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Chris Kelley** can be reached on **(703)305-4856.** 

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Or faxed to:

(703) 872-9314

Hand-delivered responses should be brought to Crystal Park II, 2121

Crystal

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Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relative to the status of the application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

B. S. B. S.

6/23/2004

GINS PHILIPPER
PRIMARY EXAMINER